

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: June 19, 1996
Date Received: June 14, 1996
Project: Metro 24hr Composite, PO #M53617
Date Samples Extracted: June 17, 1996
Date Extracts Analyzed: June 18, 1996

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC
USING METHOD 6010**

**Samples Processed Using Method 3005A
Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M53617	0.84	0.92	0.84	0.08
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 69790 (Duplicate)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	0.84	0.86	2	0-20
Copper	mg/L (ppm)	0.92	0.92	0	0-20
Nickel	mg/L (ppm)	0.84	0.88	5	0-20
Zinc	mg/L (ppm)	0.08	0.08	0	0-20

Laboratory Code: 69790 (Matrix Spike)

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
				<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	0.84	100	96	80-120	4
Copper	mg/L (ppm)	5	0.92	97	92	80-120	5
Nickel	mg/L (ppm)	10	0.84	97	95	80-120	2
Zinc	mg/L (ppm)	5	0.08	98	96	80-120	2

Laboratory Code: Spike Blank

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
			<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	100	95	80-120	5
Copper	mg/L (ppm)	5	94	88	80-120	7
Nickel	mg/L (ppm)	10	99	95	80-120	4
Zinc	mg/L (ppm)	5	102	98	80-120	4

KWJ AI
6-14-96
10:45am

6-14-96
10:45am

Send Report To: _____
 Company Alaskan Copper Works Contact GERALD Thompson
 Address 628 HANFORD ST
 City, State, Zip SEATTLE WA 98134
 Phone # (206) 382-8339 Date 6-14-96

PURCHASE ORDER #

METRO 24hr Composite

M 53617

PROJECT LOCATION

Sam E. F.

3200 6th Ave S.

SAMPLE DISPOSAL INFORMATION

Any Problems Please Call.

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by:	ROD PEADCEY JACOSTAO KIDDE	ALASKAN Copper Works	6/14/96	
Received by: <i>Rod Peadcey</i>	<i>Rod Peadcey</i>	ISI inc	6/14/96	10:25
Relinquished by:				
Received by:				

03/24/94

AKC-0012144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

June 19, 1996

**INVOICE # 96ACU0619-1
DUPLICATE COPY**

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro 24hr Composite: Results of testing requested by Gerry
Thompson, Project Manager for material submitted on June 14, 1996.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00

FRIEDMAN & BRUYA, INC.

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FAX: (206) 283-5044

June 19, 1996

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

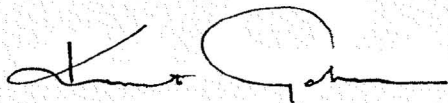
Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on June 14, 1996 from your Metro 24hr Composite, PO #M53617 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson
Chemist

keh
Enclosures
ACU0619R.DOC